

Trade and Industrial Education
Course: Cabling Technology
Course Code # 5758
1 Credit

School Year _____

Term: ___ Fall ___ Spring

Student:	Grade:
Teacher:	School:
Number of Competencies in Course: 28	
Number of Competencies Mastered:	
Percent of Competencies Mastered:	

STANDARD 1.0: Students will demonstrate leadership, citizenship, and teamwork skills required for success in the school, community, and workplace.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
1.1	Demonstrate dignity in work.			
1.2	Participate in SkillsUSA-VICA as an integral part of classroom instruction.			
1.3	Adapt to requirements of employment in the cabling technology industry.			
1.4	Demonstrate teamwork skills to achieve goals, solve problems, and manage conflict within groups.			

Standard 2.0: Students will evaluate career opportunities and career paths within the cabling technology industry.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
2.1	Investigate employment and entrepreneurial opportunities in the cabling technology industry.			
2.2	Evaluate personal characteristics and abilities required for working in the cabling technology industry.			
2.3	Compare various career options in the cabling technology industry and required certification, education, licensure, and registries.			

STANDARD 3.0: Students will demonstrate the principles of safety procedures in the cabling technology industry.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
3.1	Implement safety procedures established by the Environmental Protection Agency (EPA) and Occupational Safety & Health Administration (OSHA).			
3.2	Comply with Occupational Safety & Health Administration (OSHA) rules and regulations.			
3.3	Analyze and categorize safety and health hazards and their prevention and treatment in the cabling technology industry.			
3.4	Exhibit acceptable dress and personal grooming identified by the cabling technology industry.			
3.5	Demonstrate first aid practices.			
3.6	Pass with 100 % accuracy a written examination relating to safety issues.			
3.7	Pass with 100% accuracy a performance examination relating to safety.			
3.8	Maintain a portfolio record of written safety examinations and equipment examinations for which the student has passed an operational checkout by the instructor.			

STANDARD 4.0: Students will evaluate the theory of network topologies.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
4.1	Analyze three types of communications on networks.			
4.2	Analyze networks by observing their topologies.			

STANDARD 5.0: Students will evaluate individual components that make up networks.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
5.1	Focus on how individual components function to create the physical layer.			
5.2	Select the type of cable for a particular job.			
5.3	Evaluate media and connectors for each type of job.			

STANDARD 6.0: Students will install cabling systems.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
6.1	Appraise the pathways and structural systems for cabling.			
6.2	Evaluate the pulling process.			
6.3	Evaluate safety for a cabling project.			

STANDARD 7.0: Students will test cabling networks.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
7.1	Analyze the network to reveal errors within the installation.			
7.2	Test and troubleshoot network media.			

STANDARD 8.0: Students will terminate cabling systems.

Learning Expectations		Check the appropriate Mastery or Non-Mastery column	Mastery	Non-Mastery
8.1	Evaluate tools and connectors used to terminate cabling.			
8.2	Prepare cable for termination.			
8.3	Terminate cabling systems.			

Additional Comments _____